

07-27-01

A

07/26/01

11042 U.S. PTO

00011643 030604

Please type a plus sign (+) inside this box → ☒

Approved for use through 10/31/2002 OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (03-01)

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. AUS9-2001-0301US1
First Inventor Sang Hoo Dhong et al
Title Method of Logic Circuit Synthesis and Design Using a Dynamic Circuit Library
Express Mail Label No. ET42007766209

11042 U.S. PTO
09/915437
07/26/01

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.
See 37 CFR 1.27.
- ☒ Specification [Total Pages 20]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
- Oath or Declaration [Total Pages 8]
 - ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☐ paper
 - ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. _____

Prior application information. Examiner _____ Group Art Unit. _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Customer No., or Attach bar code label here) or ☒ Correspondence address below

Name	Russell D. Culbertson				
	Shaffer & Culbretson, L.L.P.				
Address	1250 Capital of Texas Hwy South, Bldg. One, Ste. 360				
City	Austin	State	Texas	Zip Code	78613
Country	U.S.A.	Telephone	512-327-8932	Fax	512-327-2665

Name (Print/Type)	MARK E. McBURNEY	Registration No. (Attorney/Agent)	33,114
Signature	Mark E. McBurney	Date	7/24/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

ET 42007766205

07/26/01
J1042 U.S. PTO

PTO/SB/17 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001 <i>Patent fees are subject to annual revision.</i>		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	Sang Hoo Dhong <i>etal</i>
		Examiner Name	
		Group Art Unit	
TOTAL AMOUNT OF PAYMENT		(\$) 710.	
		Attorney Docket No.	AUS9-2001-0301US1

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																																																																																																																																	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number 09-0447 Deposit Account Name IBM Corporation <input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		3. ADDITIONAL FEES																																																																																																																																																																																																																																																	
2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other		<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td></td><td></td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td></td><td></td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td></td><td></td><td>Non-English specification</td><td></td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td></td><td></td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td></td><td></td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td></td><td></td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td></td><td></td><td>Extension for reply within first month</td><td></td></tr><tr><td>116</td><td>390</td><td>216</td><td>195</td><td></td><td></td><td>Extension for reply within second month</td><td></td></tr><tr><td>117</td><td>890</td><td>217</td><td>445</td><td></td><td></td><td>Extension for reply within third month</td><td></td></tr><tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td></td><td></td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td></td><td></td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119</td><td>310</td><td>219</td><td>155</td><td></td><td></td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>310</td><td>220</td><td>155</td><td></td><td></td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>270</td><td>221</td><td>135</td><td></td><td></td><td>Request for oral hearing</td><td></td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td></td><td></td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td></td><td></td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td></td><td></td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td></td><td></td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143</td><td>440</td><td>243</td><td>220</td><td></td><td></td><td>Design issue fee</td><td></td></tr><tr><td>144</td><td>600</td><td>244</td><td>300</td><td></td><td></td><td>Plant issue fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td></td><td></td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td></td><td></td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr><tr><td>126</td><td>180</td><td>126</td><td>180</td><td></td><td></td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td></td><td></td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>710</td><td>246</td><td>355</td><td></td><td></td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr><tr><td>149</td><td>710</td><td>249</td><td>355</td><td></td><td></td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr><tr><td>179</td><td>710</td><td>279</td><td>355</td><td></td><td></td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>169</td><td>900</td><td>169</td><td>900</td><td></td><td></td><td>Request for expedited examination of a design application</td><td></td></tr><tr><td colspan="2"></td><td colspan="2">Other fee (specify) _____</td></tr><tr><td colspan="2"></td><td colspan="2">SUBTOTAL (3) (\$)0.00</td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	105	130	205	65			Surcharge - late filing fee or oath		127	50	227	25			Surcharge - late provisional filing fee or cover sheet		139	130	139	130			Non-English specification		147	2,520	147	2,520			For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*			Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*			Requesting publication of SIR after Examiner action		115	110	215	55			Extension for reply within first month		116	390	216	195			Extension for reply within second month		117	890	217	445			Extension for reply within third month		118	1,390	218	695			Extension for reply within fourth month		128	1,890	228	945			Extension for reply within fifth month		119	310	219	155			Notice of Appeal		120	310	220	155			Filing a brief in support of an appeal		121	270	221	135			Request for oral hearing		138	1,510	138	1,510			Petition to institute a public use proceeding		140	110	240	55			Petition to revive - unavoidable		141	1,240	241	620			Petition to revive - unintentional		142	1,240	242	620			Utility issue fee (or reissue)		143	440	243	220			Design issue fee		144	600	244	300			Plant issue fee		122	130	122	130			Petitions to the Commissioner		123	50	123	50			Processing fee under 37 CFR 1.17(q)		126	180	126	180			Submission of Information Disclosure Stmt		581	40	581	40			Recording each patent assignment per property (times number of properties)		146	710	246	355			Filing a submission after final rejection (37 CFR § 1.129(a))		149	710	249	355			For each additional invention to be examined (37 CFR § 1.129(b))		179	710	279	355			Request for Continued Examination (RCE)		169	900	169	900			Request for expedited examination of a design application				Other fee (specify) _____				SUBTOTAL (3) (\$) 0.00	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																												
105	130	205	65			Surcharge - late filing fee or oath																																																																																																																																																																																																																																													
127	50	227	25			Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																													
139	130	139	130			Non-English specification																																																																																																																																																																																																																																													
147	2,520	147	2,520			For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																																																																													
112	920*	112	920*			Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																													
113	1,840*	113	1,840*			Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																													
115	110	215	55			Extension for reply within first month																																																																																																																																																																																																																																													
116	390	216	195			Extension for reply within second month																																																																																																																																																																																																																																													
117	890	217	445			Extension for reply within third month																																																																																																																																																																																																																																													
118	1,390	218	695			Extension for reply within fourth month																																																																																																																																																																																																																																													
128	1,890	228	945			Extension for reply within fifth month																																																																																																																																																																																																																																													
119	310	219	155			Notice of Appeal																																																																																																																																																																																																																																													
120	310	220	155			Filing a brief in support of an appeal																																																																																																																																																																																																																																													
121	270	221	135			Request for oral hearing																																																																																																																																																																																																																																													
138	1,510	138	1,510			Petition to institute a public use proceeding																																																																																																																																																																																																																																													
140	110	240	55			Petition to revive - unavoidable																																																																																																																																																																																																																																													
141	1,240	241	620			Petition to revive - unintentional																																																																																																																																																																																																																																													
142	1,240	242	620			Utility issue fee (or reissue)																																																																																																																																																																																																																																													
143	440	243	220			Design issue fee																																																																																																																																																																																																																																													
144	600	244	300			Plant issue fee																																																																																																																																																																																																																																													
122	130	122	130			Petitions to the Commissioner																																																																																																																																																																																																																																													
123	50	123	50			Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																																																																													
126	180	126	180			Submission of Information Disclosure Stmt																																																																																																																																																																																																																																													
581	40	581	40			Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																													
146	710	246	355			Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																																													
149	710	249	355			For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																													
179	710	279	355			Request for Continued Examination (RCE)																																																																																																																																																																																																																																													
169	900	169	900			Request for expedited examination of a design application																																																																																																																																																																																																																																													
		Other fee (specify) _____																																																																																																																																																																																																																																																	
		SUBTOTAL (3) (\$) 0.00																																																																																																																																																																																																																																																	
FEE CALCULATION																																																																																																																																																																																																																																																			
1. BASIC FILING FEE																																																																																																																																																																																																																																																			
<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>710</td><td>201</td><td>355</td><td></td><td></td><td>Utility filing fee</td><td></td></tr><tr><td>106</td><td>320</td><td>206</td><td>160</td><td></td><td></td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>490</td><td>207</td><td>245</td><td></td><td></td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>710</td><td>208</td><td>355</td><td></td><td></td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>150</td><td>214</td><td>75</td><td></td><td></td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="7">SUBTOTAL (1) (\$)710.</td><td></td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	101	710	201	355			Utility filing fee		106	320	206	160			Design filing fee		107	490	207	245			Plant filing fee		108	710	208	355			Reissue filing fee		114	150	214	75			Provisional filing fee		SUBTOTAL (1) (\$) 710.																																																																																																																																																																																																	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																												
101	710	201	355			Utility filing fee																																																																																																																																																																																																																																													
106	320	206	160			Design filing fee																																																																																																																																																																																																																																													
107	490	207	245			Plant filing fee																																																																																																																																																																																																																																													
108	710	208	355			Reissue filing fee																																																																																																																																																																																																																																													
114	150	214	75			Provisional filing fee																																																																																																																																																																																																																																													
SUBTOTAL (1) (\$) 710.																																																																																																																																																																																																																																																			
2. EXTRA CLAIM FEES																																																																																																																																																																																																																																																			
<table border="1"><thead><tr><th>Large Entity</th><th>Small Entity</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td></td><td></td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>80</td><td>202</td><td>40</td><td></td><td></td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>270</td><td>204</td><td>135</td><td></td><td></td><td>Multiple dependent claim, if not paid</td><td></td></tr><tr><td>109</td><td>80</td><td>209</td><td>40</td><td></td><td></td><td>** Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td></td><td></td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="7">SUBTOTAL (2) (\$)710.</td><td></td></tr></tbody></table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	103	18	203	9			Claims in excess of 20		102	80	202	40			Independent claims in excess of 3		104	270	204	135			Multiple dependent claim, if not paid		109	80	209	40			** Reissue independent claims over original patent		110	18	210	9			** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$) 710.																																																																																																																																																																																																	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																												
103	18	203	9			Claims in excess of 20																																																																																																																																																																																																																																													
102	80	202	40			Independent claims in excess of 3																																																																																																																																																																																																																																													
104	270	204	135			Multiple dependent claim, if not paid																																																																																																																																																																																																																																													
109	80	209	40			** Reissue independent claims over original patent																																																																																																																																																																																																																																													
110	18	210	9			** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																													
SUBTOTAL (2) (\$) 710.																																																																																																																																																																																																																																																			
Total Claims 18 - 20** = 0 x 18. = 0																																																																																																																																																																																																																																																			
Independent Claims 3 - 3** = 0 x 80. = 0																																																																																																																																																																																																																																																			
Multiple Dependent _____ = _____																																																																																																																																																																																																																																																			
*or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																																																																																			

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	MARK E. MCBURNEY	Registration No. (Attorney/Agent)	33,114
Signature	<i>Mark E. McBurney</i>	Telephone	823-1903
		Date	7/24/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.